

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions and listings of claims in the application:

1. (Currently Amended) A microporous polyethylene film having a film rupture temperature of 150 °C or higher and a fusing rupture temperature of 140 °C or lower comprising a blend that comprises:

- a high density polyethylene copolymer which has a melt index (MI) of 0.1 to 100, and a content of an α -olefin unit with 3 or more carbon atoms of 0.1 to 1% by mole;

- a high density polyethylene which has a viscosity average molecular weight (Mv) of at least 500000 to 5000000; ~~and~~

wherein said high density polyethylene comprises a blend of at least two polyethylenes selected from:

(A) a polyethylene having an Mv ranging from about 1500000 to about 5000000;

(B) a polyethylene having an Mv ranging from about 600000 to about 1500000; and

(C) a polyethylene having an Mv from about 250000 to about 600000, and

wherein the microporous polyethylene film blend has an Mv of 300000 to 4000000, and a content of an α -olefin unit with 3 or more carbon atoms of 0.01 to 1% by mole, and

~~contains about 10% to about 90% of high density polyethylene copolymer. the-
percentage of the high density polyethylene copolymer is about 10 to about 90% of the
blend.~~

2-3. (Canceled)

4. (Previously presented) The microporous polyethylene film according to claim 1, wherein the α -olefin is propylene.

5-7. (Canceled)

8. (Previously presented) The microporous polyethylene film according to claim 1, having a shrinkage force at 150°C of 2N or less.

9. (Canceled)

10. (Previously presented) The microporous polyethylene film according to claim 1, having a thickness 5 to 24 μm .

11. (Previously presented) The microporous polyethylene film according to claim 1, having a porosity of 30 to 70%.

12. (Previously presented) The microporous polyethylene film according to claim 1, having an air permeability of 100 seconds or more and 600 seconds or less.

13. (Original) A battery separator, comprising a microporous film according to any one of claims 1 to 12.

14. (Previously presented) A microporous polyethylene film according to claim 1, which has a weight fraction measured by GPC of a component having a molecular weight of 1000000 or more of 1 to 40%, and a weight fraction measured by GPC of a component having a molecular weight of 10000 or less of 1 to 40%, the component having a molecular weight of 10000 or less has a content of an α -olefin unit with 3 or more carbon atoms of 0.1 to 1% by mole.

15. (Previously presented) The microporous polyethylene film according to claim 14, wherein the α -olefin is propylene.

16. (Canceled)

17. (Previously presented) The microporous polyethylene film according to claim 14, wherein the polyethylene having an Mv of 500000 to 5000000 is an ultrahigh molecular weight polyethylene having an Mv of 1500000 or more.

18. (Previously presented) The microporous polyethylene film according to claim 14, having a film rupture temperature of 150°C or higher.

19. (Previously presented) The microporous polyethylene film according to claim 14, having a shrinkage force at 150°C of 2N or less.

20. (Previously presented) The microporous polyethylene film according to claim 14, having a fusing temperature of 140°C or lower.

21. (Previously presented) The microporous polyethylene film according to claim 14, having a thickness 5 to 24 μ m.

22. (Previously presented) The microporous polyethylene film according to claim 14, having a porosity of 30 to 70%.

23. (Previously presented) The microporous polyethylene film according to claim 14, having an air permeability of 100 seconds or more and 600 seconds or less.

24. (Previously presented) A battery separator, comprising a microporous film according to any one of claims 14 to 23.